

AMENDMENTS TO THE CLAIMS

Claims 1-43 were previously cancelled.

44. (Currently Amended) A method of obtaining a member of a specific binding pair, the method comprising:

providing a library of *in vitro* mutagenized nucleic acid from an existing antibody coding sequence,

producing a library ~~contacting with a desired epitope a library~~ of filamentous bacteriophage particles displaying a population of specific binding pair members which comprise a binding domain of an immunoglobulin, each particle containing nucleic acid from the library of *in vitro* mutagenized nucleic acid from an existing antibody coding sequence, encoding a specific binding pair member, wherein the nucleic acid in the library is provided by *in vitro* mutagenesis of an existing antibody coding sequence or pre-existing phage antibodies,
contacting the library of filamentous bacteriophage particles with a desired epitope,

and

separating particles displaying specific binding pair members comprising a binding domain which binds to said epitope,

wherein the specific binding pair members are Fab antibody fragments.

45. (Cancelled)

46. (Cancelled)

47. (Previously Added) A method of producing a specific binding pair member, the method comprising:

- (i) obtaining nucleic acid from a separated particle obtained by a method according to claim 44; and
- (ii) producing by expression from nucleic acid obtained in step (i) the encoded specific binding pair member.

48. (Previously Added) A method of producing nucleic acid encoding a specific binding pair member, the method comprising:

- (i) obtaining nucleic acid from a separated particle obtained by a method according to claim 44; and
- (ii) producing from nucleic acid obtained in step (i) nucleic acid which encodes a specific binding pair member.

49. (Cancelled)

50. (Cancelled)

51. (Cancelled)

- 52. (Cancelled)
- 53. (Withdrawn) A specific binding pair member obtained by a method according to claim 44.
- 54. (Withdrawn) A specific binding pair member obtained by a method according to claim 45.
- 55. (Withdrawn) A specific binding pair member obtained by a method according to claim 46.
- 56. (Withdrawn) A specific binding pair member obtained by a method according to claim 47.
- 57. (Withdrawn) A specific binding pair member obtained by a method according to claim 49.
- 58. (Withdrawn) A specific binding pair member obtained by a method according to claim 51.
- 59. (Withdrawn) Nucleic acid obtained by a method according to claim 50.
- 60. (Withdrawn) Nucleic acid obtained by a method according to claim 52.
- 61. (New). A method of producing nucleic acid encoding a specific binding pair member, the method comprising:
 - (i) obtaining nucleic acid from a separated particle obtained by a method according to claim 44; and
 - (ii) producing from the nucleic acid obtained in step (i) nucleic acid which encodes a derivative specific binding pair member, wherein said derivative specific binding pair member is produced by addition, deletion, substitution or insertion of one or

more amino acids in, or by linkage of another molecule to, a specific binding pair member encoded by nucleic acid obtained in step (i).

62. (New). A method of producing a specific binding pair member, the method comprising:
producing by expression from encoding nucleic acid obtained by a method according to claim 61
said derivative specific binding pair member.